रजिस्ट्री सं० डी- 222

REGD NO. D-222

भारत का राजपत्र
The Gazette of India

प्राधिकार से प्रकाशित

PUBLISHED BY AUTHORITY

सं० 21] नई दिल्ली, शनिवार, मई 26, 1973 (ज्येष्ठ 5, 1895)

No. 21] NEW DELHI, SATURDAY, MAY 26, 1973 (JYAISTHA 5, 1895)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके

(Separate paging is given to this Part in order that it may be filed as a separate compilation)

भाग III—खण्ड 2
PART III—SECTION 2

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस

Notifications and Notices issued by the Patent Office relating to Patents and Designs

THE PATENT OFFICE

PATENT AND DESIGNS

Calcutta, the 26th May, 1973

The dates shown in crescent brackets are the dates claimed under Section 135 of the Act.

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE

5th May 1973

1054/Cal/73. Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. New water-soluble heavy metal complex dyestuffs and process for preparing them.

1055/Cal/73. Aktiengesellschaft Fr. Mettler's Sohne Maschinenfabiki. A mounting device for tapering tubes.

1056/Cal/73. Fr. Mettler's Sons Ltd. Engineering Works Apparatus for singeing threads.

1057/Cal/73. Bunker Ramo Corporation. Electrical connector.

1058/Cal/73. Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Pesticidal composition.

1059/Cal/73. Dunlop Limited. Tyre repair vulcanizing clamp. (6th May 1972).

1060/Cal/73. Alfred Herbert Limited. Automatic control systems and methods. (6th May 1972).

1061/Cal/73. Solco Basel Ag. Process for the manufacture of injectable preparations of tc99m and/or In 113m and apparatus for carrying out the process.

1062/Cal/73. J. K. Synthetics Ltd. Improvements in the manufacture of polycaproamide fibres.

1063/Cal/73. N. K. Varshney. Automatic multipurpose safety torch.

7th May 1973

1064/Cal/73. Council of Scientific and Industrial Research. A gas lighter.

1065/Cal/73. Council of Scientific and Industrial Research. Improvements in or relating to paint stripper.

1066/Cal/73. Takeda Chemical Industries Ltd. A method of producing an improved foodstuff. [Divisional date 20th March 1971].

1067/Cal/73. Rasa Shoji K. K. and Nippon Kokan N.K. Method and apparatus for dewatering a mass of granular materials mixed in hot water.

1068/Cal/73. Sandvik Aktiebolag. Hard metal body. [Addition to No. 1857/72].

1069/Cal/73. Carl Hurth Maschinen-und Zahnradfabrik. Friction clutch, especially of gear transmissions.

1070/Cal/73. Thermasan Corporation. Waste disposal system for trailers. (30th October 1972).

1071/Cal/73. Delhi Cloth & General Mills Co. Ltd. Improvements in or relating to the preparation of condensed phosphates like ortho, pyro or polyphosphates.

1072/Cal/73. T. M. Aggarwal. Air conditioning system for car or vehicle.

8th May 1973

1073/Cal/73. Council of cientific and Industrial Research. Vacuum holding device.

1074/Cal/73. H. Alberts. Slide fastener.

1075/Cal/73. Standard Telephones and Cables Limited. Cables. (8th June 1972).

1076/Cal/73. The Metal Box Company Limited. Improvements in cans. (1st June 1972).

1077/Cal/73. The Metal Box Company Limited. Improvements in cartons. (15th June 1972).

1078/Cal/73. Dr. C. Otto & Comn. Gmbh. A gas collectin device for coke over battery.

1079/Cal/73. Dr. C. Otto & Comp. Gmbh. Door for horizontal coking ovens.

1080/Cal/73. Siemens-Albis Aktiengesellschaft. Improvements in or relating to doppler radar systems. (30th November 1972).

1081/Cal/73. Richter Gedeon Vegyeszeti Gyar Rt. A process for the preparation of biologically active polypeptides containing aspartyl group.

1082/Cal/73. The Lucas Electrical Company Limited. Battery charging systems for road vehicles. (10th May 1972).

1083/Cal/73. Great Lakes Carbon Corporation. Apparatus for collecting atmospheric emissions.

1084/Cal/73. Veb Fotochemische Werke Berlin. Stackable film holder for pressure sensitive materials made of molded thermoplastics.

1085/Cal/73. V. S. Satyanarayana. Electrical stabilizer.

1086/Cal/73. No-Joint Concrete Pipe Company. Apparatus and method for forming a cementitious conduit in situ.

1087/Cal/73. (1) E. I. Grishanin, (2) V. G. Iljunin, (3) I. A. Kuznetsov, (4) V. M. Murogov, & (5) A. N. Shmelev. Nuclear power unit.

9th May 1973

1088/Cal/73. H. H. Boot & Sons Pty Limited. Improvements in or relating to building construction. (10th May 1972).

1089/Cal/73. Cassella Farbwerke Mainkur Aktiengesellschaft. Benzophenone derivatives and process for production.

1090/Cal/73. Egyt Gyogyszervegyeszeti Gyar. A process for the preparation of dl-threo-1-(p-nitro-phenyl)-2-acetamino-1, 3–propanediol.

1091/Cal/73. Archifar Industrie Chimiche Del Trentino S.p.A. Process for the production of antibiotics.

1092/Cal/73. Intergadgets Ag. Device for vaporizing substances.

1093/Cal/73. Laboratories Servier. Process for the production of pharmaceutical forms with prolonged action.

1094/Cal/73. Nitro Nobel Ab. Method of and apparatus for charging drill holes with explosive. (28th December 1972).

1095/Cal/73. Nitro Nobel Ab. Wire connector for two electric wires, which may possibly be connected to electric detonators.

1096/Cal/73. Eszakmagyarorszagi Vegyimuvek. New triazine compounds and harbicides containing the same, and a process for the preparation thereof.

1097/Cal/73. Ruti-Te Strake B. V. Weaving machine.

10th May 1973

1098/Cal/73. Council of Scientific and Industrial Research. Improvements in or relating to the electrolytic reduction of nitro-benzene to aniline.

1099/Cal/73. Amarendra Nath De. Kerosene stove.

1100/Cal/73. Instytut Nawozow Sztucznych. Ammonia synthesis converter.

1101/Cal/73. Elektro-Thermit Gmbh. A closure for crucibles used in the aluminothermic reaction.

1102/Cal/73. Dr. Dasarathi Banerjee. Improvements in or relating to railway side buffer springs and their assembly in the buffer casing.

1103/Cal/73. The Glacier Metal Company Limited. Press and method for coin pressing articles. (11th May 1972).

1104/Cal/73. Siemens-Albis Aktiengesellschaft. Improvements in or relating to circuit arrangements for range measurement in a radar unit. (27th December 1972).

1105/Cal/73. Techno-Chemie Kessler & Co. Gmbh Method for manufacturing a house of synthetic material having a support coil.

1106/Cal/73. NL Industries Inc. A method of forming electrodes and conductors and articles made thereby. [Addition to No. 135280].

1107/Cal/73. Council of Scientific and Industrial Research. Improvements in or relating to the preparation of new reactive dyes containing azidoacetylamide groups.

1108/Cal/73. Benoy Krishna Deb. Limiting difference in cable tension in coiling and uncoiling of motor operated cable reeling drum.

1109/Cal/73. Secalt S. A. Improvements in or relating to a hauling and hoisting gear for wire ropes.

11th May 1973

1110/Cal/73. I. Mavrovic. Pulsation dampener for high pressure carbamate recycle pump and method of operation thereof.

1111/Cal/73. L. Vivaudan & Cie. Process for the preparation of cis-3, 4, 4a, 5, 6, 7, 8, 8a-octanydio-3, 4a, 5, 5, 8-pentamethyl-2-(1H)-naphthalenone. [Divisional date 4th June 1971].

1112/Cal/73. Montecatini Edison S.p.A. Apparatus for carrying out catalytic reactions in the gaseous phase.

1113/Cal/73. Montecatini Edison S.p.A. Process for the catalytic synthesis of ammonia.

1114/Cal/73. (1) V. G. Iljunin, (2) I. A. Kuznetsov, (3) V. M. Murogov, (4) J. V. Silaev and (5) A. N. Shmelev. Fast—neutron reactor.

1115/Cal/73. The Goodyear Tire & Rubber Company. Fail-safe monitoring apparatus.

1116/Cal/73. Wilkinson Sword Limited. Improvements in or relating to shaving devices. (16th May 1972).

1117/Cal/73. Pullman Incorporated. Process for the production of synthesis gas and clean fuels.

1118/Cal/73. Thetford Corporation. Toilet improvements. (7th December 1972).

1119/Cal/73. S. N. Harlalka. Slotted angles.

1120/Cal/73. S. N. Harlalka. Slotted angles.

1121/Cal/73. (1) A. A. Gotovtsev, (2) M. K. S. Katsman, (3) V. E. Lizgunov, (4) R. P. Mashkov, (5) F. E. Mikushevich, (6) V. I. Polyvyanny, (7) P. N. Rybkin and (8) A. S. J. Shpigel. Hand operated gear hoist.

1122/Cal/73. (1) S. I. Levin, (2) V. T. Samonov, (3) N. I. Tsygankin and (4) N. S. Khoroneko. Arrangement for feeding the bulbs of electric vacuum devices.

Application for Patents filed at Patent Office (Bombay Branch)

26th April 1973

143/Bom/73. C. S. Adgaonkar. Improvements in or relating to table or pedestal fans.

27th April 1973

144/Bom/73. Permali-Wallace Limited. Improved laminates with asbestos facings and method of manufacturing such laminates.

145/Bom/73. Permali-Wallace Limited. Improved laminates with glass fibres facings and method of manufacturing such composite laminates.

146/Bom/73. Permali-Wallace Limited. Improved method of manufacturing chemically inert asbestos and method of manufacturing composite laminates therefrom.

28th April 1973

147/Bom/73. Dhrangadhra Chemical Works Ltd. Improvements in or relating to salts.

148/Bom/73. The Indian Council of Agricultural Research. A method for the production of highly active thermostable cellulase enzyme by a fungus *Penicillium funiculosum* (Isolate F4 and its mutant) Utilizing cellulosic waste materials.

149/Bom/73. Dr. C. M. Bhanotra. Blood lipid lowering agent.

30th April 1973

150/Bom/73. G. V. Apte. Multiple distributing arrangement from one or more feeding points for any non-sticky material to two or more outlets by use of a moving prism, single double or more in number in single or multiple stages.

151/Bom/73. G. V. Apte. Elimination of the use of heavy duty gears and/or heavy duty chain-and-sprockets from the vibrating zone in drive arrangement of mechanically vibrated vibrating screens having two equally counter weighted/eccentric shafts-revolving in opposite directions.

152/Bom/73. G. V. Apte. Automatic bag-filling and weighing mechanism which eliminates stopping of the flow, to be used for granular and free—flowing materials like sugar, grain, salt, chemicals, fertilisers, etc.

153/Bom/73. J. L. Mulvaney. Self air conditioning of structures.

154/Bom/73. H. F. Maneksha. An improved device for a positive blanking or making through of any pipe line connection.

155/Bom/73. Ahmedabad Textile Industry's Research Association. Improvements in or relating to improved fixation of reactive dyes to cotton and other cellulosic textile materials.

Application for Patents Filed at Patent Office (Madras Branch)

2nd May 1973

65/Mas/73. B. R. Chandrasekhar. Automatic all-purpose electric cooker.

Alteration of Date

130465. The claim to priority date 3rd March 1970 has been disallowed and the application dated as of 4th March 1971, the date of filing in India.

135368. Ante-dated to 30th July 1970.
(144/73)

131437. Post-dated to 4th October 1971.

Complete Specifications Accepted

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A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2 (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office.

CLASS 32—F—1, F—3—(a), F—3—(c), F—3—(d), 55—E—4 & 60—X—2—(b). 115362

PROCESS FOR THE PREPARATION OF NOVEL GONA-1, 3, 5(10)-TRIENES

ROUSSEL-UCLAF, OF 35 BOULEVARD DES INVALIDES, PARIS 7 EME, FRANCE.

Application No. 115362, filed Apr. 10, 1968.

Convention date June 1, 1967.

17 *Claims*

A process for the preparation of an 11 B-alkoxy-13 B-alkyl-gona-1, 3, 5(10)-triene of the general formula I shown in the accompanying drawings (wherein : D represents an atom of oxygen or the group of the formula shown in fig. 1 of the drawings; A and E which may be the same or different, each represents a hydrogen atom, an alkyl radical containing from 1 to 4 carbon atoms, or the residue of an organic carboxylic acid containing from 1 to 18 carbon atoms; B and B_1 which may be the same or different, each represents an alkyl radical containing from 1 to 4 carbon atoms; the group W represents a hydrogen atom, a halogen atom or a methyl group, the group X represents a hydrogen atom or a methyl group;

the group Y represents a hydrogen atom, a halogen atom or an alkyl radical; and the group Z represents a hydrogen atom or an alkyl radical) in which the A-ring of an appropriate 11 β-alkoxy-13β-alkyl 17 β-hydroxy gona 4, 9-dien-3-one, or the corresponding 3, 17-dione, is aromatized by isomerisation, using a dehydrogenation catalyst, to form the corresponding 3-hydroxy-11 β-alkoxy 17β-hydroxy 13 β alkyl gona 1, 3, 5(10) trient, or the corresponding 17-one and this is optionally reacted with an esterification agent, etherification agent or reduction agent such as herein described.

CLASS 120-B-2 129032

IMPROVEMENTS IN OR RELATING TO MULTI-BORE LUBRICATION OIL PUMPS

CAPTAIN JAMSHED KAIKOBAD MUNSHI AND CARL FRANCIS MUNSHI, ST. JOSEPH'S RESEARCH CORNER, KARIYANAPALAYAM, BANGALORE-5, MYSORE STATE, INDIA.

Application No. 129032, filed October 27, 1970.

6 *Claims*

An improved multi-bore lubrication oil pump characterised in that it comprises a stator having a cylindrical core; a cylindrical rotor rotatably mounted within the said core, said rotor and core being disposed eccentrically with respect to each other; at least one movable, spring-loaded vane mounted in a peripheral recess of the rotor, said vane being adapted to keep itself pressed against the wall of the core; a distributor disc (provided with an oil collecting recess) disposed in intimate contact with the said rotor and rotatably mounted coaxially in the core to form a snug fit therewith, said distributor disc being adapted to be mechanically coupled to the rotor an end-cover for the stator, to hold the rotor and distributor disc in position within the core valve means for enabling only the one-way flow of oil from outside the stator into the core, such that oil from outside the stator is capable of being drawn into the core by the suction caused by the rotation of the rotor, but oily from the core is rendered incapable of being forced by the rotor in the reverse direction valve means for enabling only the one-way flow of oil from the core, through the rotor and into the oil collecting recess of the distributor disc, such that oil from the core is capable of being forced into the said recess by the compression caused by the rotation of the rotor, but oil from the said recess is rendered incapable of being drawn by the rotor in the reverse direction; one or more ducts provided in the stator which, during rotation of the distributor disc, are adapted to repeatedly coincide and communicate with one or more ducts provided in the distributor disc, the latter ducts directly communicating with the recess, such that the oil from the recess is capable of being forced outside the stator through coincide ducts of the stator and distributor disc, by the compression caused by the rotation of the rotor.

CLASS 32A-1, 62C-1 129816

PROCESS FOR THE PREPARATION OF WATER-SOLUBLE DISAZO-DYESTUFFS

FARBWERKE HOECHST AKTIENGESELLSCHAFT VORMALS MEISTER LUCIUS & BRUNING, 45, BRUNINGSTRASSE, FRANKFURT/MAIN, FEDERAL REPUBLIC OF GERMANY.

Application No. 129816, filed January 1, 1971.

9 *Claims*

Process for the preparation of water-soluble disazo dyestuffs of the general formula 1 as shown in the accompanying drawings wherein D represents the radical of a diazo component of the benzene or naphthalene series, X stands for a group of the formula 2 or formula 3 wherein R′ represents a hydrogen atom or an alkyl group, R″ a hydrogen atom, or an alkyl or phenyl group, and Y and Y′ represent flourine or chlorine stoms, and n is the number 0 or 1 which comprises coupling in two steps in any order a coupling component of the general formula 3A with (i) a diazo compound of an amine of the general formula 4 and (ii) with a diazo compound of an amine of the general formula 7 the first coupling process being carried out in an acid medium at a pH-value less than 3, and the second coupling process being carried out at a pH-value above 5.

CLASS 107-G, 151-B 129859

IMPROVEMENT IN OR RELATING TO MACHINES FOR CLEANING SPARKING PLUGS

SHASHI CHOWBEY, 4/1, SUDDER STREET, CALCUTTA-16, WEST BENGAL, INDIA.

Application No. 129859, filed January 6, 1971.

14 *Claims*

A machine for cleaning sparking plugs, which has the following parts in combination :—(i) an air chamber having a roof, a body or side-wall and a base member; (ii) a holder for holding the sparking plug to be cleaned, within the said air chamber; and (iii) a sand tube for projecting a blast of sand or like abrasive on the sparking plug held within the said air chamber.

CLASS 129-J 129939

AN IMPROVED HOT ROLLING METHOD OF SAFETY FLOOR PLATE

NIPPON KOKAN KABUSHIKI KAISHA, OF NO. 2, 1-CHOME, OOTEMACHI, CHIYODA-KU, TOKYO, JAPAN.

Application No. 129939, filed January 14, 1971.

4 *Claims*

A method of making a safety floor plate by hot rolling which method comprises spraying a lubricant onto a grooved working roll and/or onto the stock being rolled during hot rolling.

CLASS 87-A 129972

DEVICE FOR WAIST REDUCTION

MAIL ORDER SALES PRIVATE LIMITED, 10th FLOOR, 15 MATHEW ROAD, BOMBAY-4, MAHARASHTRA STATE.

Application No. 129972, filed January 18, 1971.

10 *Claims*

A device for reducing the size of an enlarged or adipose human waist, which comprises an elongate inflatable abdominal belt having an exterior surface of non-porous, non-absorbent plastice material, adjustable fastening means provided on said belt to secure the belt on or around the waist of the wearer with the ends of the belt overlapped, inflating means connected to the belt and adapted to be employed when the belt is in position around the wearer's waist so as to inflate the belt with air throughout its length, and closure means at the belt end of the inflating means to prevent escape of inflated air and thereby to maintain the belt in inflated condition around the wearer's waist.

CLASS 179-G, 173-B 130092

AEROSOL VALVE APPARATUS

EDWARD HOWARD GREEN, 11 ARMY TRAIL ROAD, ADDISON, ILLINOIS, UNITED STATES OF AMERICA.

Application No. 130092, filed January 28, 1971.

8 *Claims*

An aerosol valve apparatus which includes a cover member, a valve housing which a dip tube adapted to bring pressurized product to the interior of said housing, a spring pressed valve plunger reciprocable in said housing, means forming a socket in the plunger opening to the top thereof and an annular valve seat about the said top of the socket, a resilient gasket secured in said cover member with said housing and having a central passageway, a central opening in the cover member, said socket, opening and passageway being coazially aligned and the opening and passageway providing means for the escape of pressurized product from said housing if not blocked by said valve seat being engaged against said gasket, a removable spray head secured to said cover member including a depending hollow stem having an axial slot in a wall thereof opening to the bottom end of said stem and the said stem extending through the passageway and central opening in a sealed but rotative and slidable engagement and having the said bottom end seated in said socket with the top end of the slot opening out of the socket so that pressing down on the sprayhead will lower the valve seat from said gasket and permit communication between the hollow bore of the stem and the housing by way of the upper end of said slot, and in which there is a slot and key connection between said housing and plunger permitting reciprocation of the plunger within the housing while preventing rotation of the plunger relative to the housing characterized by the provision of means to facilitate assembly of the plunger and housing during manufacture of said apparatus, said means comprising a plurality of axially aligned teeth equally spaced around one of either of the exterior of the plunger or the interior of the housing, and at least a pair of axially aligned ribs spaced around one of either of the interior of the housing or the lower ends of the teeth and the upper ends of the ribs having means piloting the movement of the teeth relative the ribs during assembly so as to cause meshing of the ribs and teeth when the plunger is moved into the housing.

CLASS 32—F(1), 32—F—3(a), 32—F—3(c), 32-E. 130268

PROCESS FOR THE PRODUCTION OF HETEROCYCLIC COMPOUNDS

SANDOZ LTD., LICHTSTRASSE 35, BASLE/SWITZERLAND.

Application No. 130268, filed February 15, 1971.

6 *Claims*

A process for the production of heterocyclic compounds of formula I shown in the accompanying drawings, in which the two benzene nuclei A and B may bear substituted or unsubstituted alkyl radicala, m signifies 1 or 2, n signifies 1, 2 or 3, x signifies oxygen or sulphur, R_1 signifies a tertiary alkyl group containing 4 to 8 carbon atoms and R_2 signifies hydrogen or a substituted or unsubstituted alkyl or cycloalkyl radical, which process is characterized by condensing, a cimpound of formula II, shown in the accompanying drawings, with a compound of formula III shown in the accompanying drawings wherein either (i) A', B' and E each signifies hydrogen, D signifies Y-CH_2-and Y signifies halogen, -OH or lower alkoxy containing 1 to 6 carbon atoms or (ii) A' signifies $[CH_2 - Z]_m$, B' signifies $[CH_2 - Z]_{n-1}$, Z signifies halogen, D signifies hydrogen and E signifies hydrogen, lithium, sodium or potassium, provided that E signifies lithium, sodium or potassium, only when R_2 is tertiary alkyl and in a position ortho to the -oxy function, the condensation being effected in the presence of an acid catalyst when A', B', E and D are as defined under (i) above.

CLASS 72B 130287

WATER-IN-OIL EMULSION TYPE BLASTING COMPOSITION

E. I. DU PONT DE NEMOURS AND COMPANY, WILMINGTON DELAWARE, UNITED STATES OF AMERICA, LOCATED AT WILMINGTON, DELAWARE, U.S.A.

Application No. 130287, filed February 16, 1971.

Addition to No. 115982.

12 *Claims—No drawings*

A water-in-oil emulsion explosive composition comprising an inorganic oxidizing salt component, a nitrogen base salt sensitizer as herein described being one or more compounds of oxygen balance as herein defined more positive than-150%, selected from salts of inorganic oxidizing acids with acyclic nitrogen bases having no more than two hydrogen atoms bonded to the or each basic nitrogen atom, and up to three carbon atoms per basic nitrogen atom, and/or with phenylamines, water, water-insoluble organic fuel that forms a continuous oil phase in the explosive composition, lipophilic emulsifies for the fuel capable of forming and maintaining a stable water-in-oil emulsion, and gas bubbles incorporated in amount 5 to 50% by volume of the explosive composition.

CLASS 191 130406

A CARBON PAPER FOR USE IN THE PREPARATION OF A MASTER COPY TO BE USED IN A SPIRIT reproducing process and a process for preparing THE SAME.

IMPERIAL CHEMICAL INDUSTRIES LIMITED, IMPERIAL CHEMICAL HOUSE, MILLBANK, LONDON, S.W. 1., ENGLAND.

Application No. 130406, filed February 27, 1971.

Convention date March 5, 1970 (10683/70) U.K.

14 *Claims*

A carbon paper, for use in the preparation of a master copy to be used in a spirit-reproducing process, which comprises a support material (as herein described) carrying a substantially colourless coating transferable to a master copy sheet by the act of pressing the master sheet against the carbon paper, said coating containing a leucauramine compound of the formula I of the accompanying drawings wherein A and B each independently represents an optionally substituted aromatic residue; R^1, R^2, R^3 and R^4 each independently represents hydrogen or an optionally substituted alkyl, aralkyl, cycloalkyl or aryl radical or forms part of an optionally substituted hydrocarbon chain which together with the attached nitrogen atom constitutes a heterocyclic ring. X represents hydrogen. hydroxyl or an optionally substituted amino, alkyl, cycloalkyl, aralkyl or aryl radical and Y represents an optionally substituted alkyl, cycloalkyl, aralkyl, aryl or heterocyclic radical or X and Y together with the attached nitrogen atom form an optionally substituted heterocyclic ring.

CLASS 140-A-2 130418

SOLID PRODUCT WITH LUBRICATING PROPERTIES AND PROCESS FOR MANUFACTURING THE SAME

MEFINA S. A., 5, ROUTE DE BEAUMONT, FRIBOURG, SWITZERLAND.

Application No. 130418, filed March 1, 1971.

5 *Claims—No Drawings*

A solid product with lubricating properties, characterized in that it is formed of a mixture comprising hexagonal boron nitride and sulphur as a support agent.

CLASS 124. 130437

PAPER MATCH BOOK ASSEMBLY

LIN-HUEY CHANG, 40, CHUNG KING NORTH ROAD, SECTION 3, TAIPEI,TAIWAN., YA-YA HUNG, 52 HSIN SHENG NORTH ROAD, SECTION 1, TAIPEI, TAIWAN. BOTH REPUBLIC OF CHINA.

Application No. 130437 filed March 2, 1971.

Addition to No. 126821.

6 *Claims*

A paper match book assembly as claimed in claim 1 of Indian Patent specification No. 126821 comprising a paper board sheet having a plurality of match sticks formed therein by cuts through said paper board sheet wherein portions of said paper board sheet separate the head of said match sticks and a portion of the stick portion of said match sticks, a plurality of said match sticks defining a group of said match sticks and wherein said assembly defines at least a pair of said groups, the spacing between the head portions of adjacent matches in any one group being less than the spacing between adjacent groups, a portion of said paper board sheet being cut away leaving the end of said stick portion opposite said head portion apart from said paper board sheet and extending therefrom, one side of the stick portion of each of said sticks being defined in said paper board by misaligned, overlapping cuts through said paper board sheet thereby to provide a thin strip of paper board interconnecting said match sticks with the remainder of said paper board sheet a cover forming an enclosure enclosing at least a portion of said paper board sheet containing said heads of said match sticks, and an igniter band mounted on said cover in a manner so that as each of said match sticks is withdrawn from said cover by pulling a match stick by the end opposite the head of such match stick the head of such match stick rubs against said igniter band, each match stick rubbing against a defferent portion of said igniter band upon being withdrawn from said cover, said igniter band being of a material to ignite said match heads when rubbed thereby.

CLASS 55-F, 170-B. 130465

PROCESS FOR THE PREPARATION OF ENZYME POLYMER COMPLEXES.

KONINKLIJKE NEDERLANDSCHE GIST-EN SPIRITUSFABRIEK N. V., 1 WATERINGSWEG, DELFT, HOLLAND.

Application No. 130465, filed March 4, 1971.

19 *Claims—No. Drawings*

A process for the preparation of an enzyme polymer complex which comprises mixing an aqueous solution of an enzyme with an aqueous solution of a polymer, said polymer of an average molecular weight of at least 10,000 being soluble in aqueous alkali and having a straight or branched carbon-carbon chain with carboxylic groups suitably dispersed along the carbon-carbon chain, which polymer may contain as further substitutents optionally substituted hydrocarbon groups such as herein described and the carbon-carbon chain of the polymer and/or the hydrocarbon substituent(s) are optionally interrupted by hetero atoms, preferably oxygen atoms, and precipitating and separating the resulting enzyme-polymer complex from the aqueous medium by methods known *per se*.

CLASS 129-J, 33-A. 130581.

A METHOD OF ROUGH-ROLLING SLAB TO A PARTICULAR WIDTH AND AN APPARATUS THEREFOR.

NIPPON KOKAN KABUSHIKI KAISHA, No. 2, 1-CHOME OTEMACHI, CHIYODA-KU, TOKYO, JAPAN.

Application No. 130581, filed March 16, 1971.

23 *Claims*

A method of rough-rolling a cast slab comprising feeding the slab between a series of vertical cylindrical edging roll and horizontal roll, and between at least one pair of vertical edging roll having calibered recesses around the peripheries thereof for reducing the width of the slab by a unit of length not exceeding 600 mm. and then rolling the slab to a required thickness.

CLASS 179-C-D. 130725.

TEAR-OFF CLOSURE CAP

AMERICAN FLANGE & MANUFACTURING CO., INC., 30 ROCKEFELLER PLAZA, NEW YORK, NEW YORK 10020, UNITED STATES OF AMERICA.

Application No. 130725 filed March 25, 1971.

6 *Claims*

A lightweight metal closure cap comprising a cap shaped body having a circular top panel surrounded by an annular radiused juncture portion, a cylindrical skirt depending from said radiused juncture portion terminating in a lowermost free edge, an integrally formed pull member extending downwardly and radially outwardly from said free edge, a pair of score lines formed in the surface of said cap body commencing at said skirt free edge at either side of said pull member, said score lines extending across said skirt in substantial parallelism and having a first predetermined depth, said score lines continuing across said radiused juncture portion adjacent said pull member and extending across said top panel flaring outwardly away from each other in said extent, each of said score lines including a portion in said top panel having a second predetermined depth, said second predetermined depth being greater than said first predetermined depth whereby the remaining score line metal at the commencement of the tear offers a greater resistance to tearing than the remaining score line metal at the termination of the tear.

CLASS 32-F-2-C, 123. 130801.

PROCESS FOR PRODUCING UREA

SNAM PROGETTI S.p.A. OF CORSO VENEZIA, 16, MILAN, ITALY.

Application No. 130801, filed March 30, 1971.

31 *Claims*

A process for the production of urea, comprising a first step wherein carbon dioxide is reacted in a first or carbamate reactor with concentrated aqueous ammonia to form an aqueous solution of ammonium carbamate, and a second step wherein the ammonium carbamate so formed is dehydrated in a second or urea reactor to form urea, in which process unreacted carbamate present in the liquid phase urea-containing solution from the second reactor is decomposed and the decomposition products so formed are recycled in the gaseous phase to said second reactor to condense therein and supply the heat required to maintain the contents thereof at the decomposition temperature of the carbamate, and recovering urea from said solution.

CLASS 85-L 130952

WASTE INCINERATOR APPARATUS

THE AIR PREHEATER COMPANY, INC., UNITED STATES OF AMERICA. OF ANDOVER ROAD, WELLSVILLE, NEW YORK, UNITED STATES OF AMERICA.

Application No. 130952, filed April 13, 1971.

8 *Claims*

Waste incinerator apparatus comprising a main combustion chamber having a waste charge opening to be closed by a door and having a combustion gas outlet leading to a stack in which a secondary combustion chamber is provided, said apparatus further comprising a combustion air duct connected to said main combustion chamber, characterized by providing a known valve device in said combustion air duct for controlling combustion air supply to said main combustion chamber such that the air supply to the burning waste is reduced when temperature increases and the conditions in the primary chamber are less than stoichtometric.

CLASS 107-G. 130966.

IMPROVEMENTS IN OR RELATING TO CONTROL CONTROL DEVICES FOR FUEL INJECTION SYSTEMS FOR MIXTURE-COMPRESSING INTERNAL COMBUSTION ENGINES WITH APPLIED IGNITION.

ROBERT BOSCH GmbH. POSTFACH 50, STUTTGART 1, WEST GERMANY.

Application No. 130966, filed April 13, 1971.

13 *Claims*

A control device for a fuel injection system for mixture-compressing internal combustion engines with applied ignition and with fuel injection into an induction pipe or manifold, in which a measuring element and a manually controllable throttle valve are disposed in series in an induction pipe, the measuring element being adapted to be moved proportionally to the air flow passing therethrough in response to difference between the all pressures obtaining in the induction pipe upstream and downstream of said measuring element against a restoring force which is as constant as possible, and being arranged to actuate a fuel metering valve so that a predetermined ratio of air flow and metered fuel flow obtains, which ratio is variable in that the quantity of air passing the measuring element is itself variable by virtue of a by-pass of the induction pipe which circumvents the measuring element and which is provided with a cross-section control element for varying the effective cross-sectional area of at least part of the by-pass and which can be actuated as a function of engine performance.

CLASS 151-C. 130974.

FLEXIBLE INTERCONNECTABLE HOSEPIPE

DUNLOP HOLDINGS LIMITED FORMERLY KNOWN AS THE DUNLOP COMPANY LIMITED, OF DUNLOP HOUSE, RYDER STREET, ST. JAMES'S LONDON S. W.1. ENGLAND.

Application No. 130974, filed April 14, 1971.

Convention date April 15, 1970 (17855/70) U.K.

9 *Claims*

A flexible hosepipe comprising a first inner layer of hard, abrasion-resistant elastomeric material and at least one second inner layer disposed axially outwardly of the first layer said second layer being of relatively soft resilient elastomeric material whereby the second layer cushions impacts on the first layer.

CLASS 40-B, 32-E, 32-F-2-b. 131119

PROCESS FOR PRODUCTION OF UNSATURATED NITRILES.

SNAM PROGETTI S.p.A. OF CORSO VENEZIA, MILANO, ITALY.

Application No. 131119, filed April 26, 1971.

16 *Claims*

A process for the production of an unsaturated nitrile, which comprises passing a gaseous mixture of an olefin, ammonia and oxygen or an oxygen-containing mixture of gases over a catalyst composition comprising mixed oxides and/or oxycompounds of uranium and tellurium.

CLASS 77-D, 83-B-5. 131137.

IMPROVEMENTS IN OR RELATING TO THE PURIFICATION OF VEGETABLE OILS.

MADRAS CHRISTIAN COLLEGE, TAMBARAM EAST, MADRAS 59, TAMILNADU, INDIA.

Application No. 131137, filed April 27, 1971.

3 *Claims—No Drawings*

An improved process for obtaining purified vegetable oils comprising removing minute quantities of complex compounds of iron, copper and manganese present therein by known chromatographic techniques *viz.* treatment with a cation exchanger which are supplemented by agitation with L-cellulose (rayon grade).

CLASS 47-E. 131158.

AN IMPROVED DESIGN OF BEHIVE COKEOVENS FOR THE MANUFACTURE OF METALLURGICAL GRADEHARD COKE.

ASOK RANJAN DAS GUPTA, "BEANT HOUSE" GROUND FLOOR, DHOWATAND, P.O. DT. DHANBAD (BIHAR), 826001.

Application No. 131158, filed April 28, 1971.

11 *Claims*

A battery of horizontal bed, internal combustion, non bye-product recovery type, improved beehive coke ovens having oven top flues, wall flues, sole flues with a single common chimney with dampers between oven top and walls flues, at the out lets of sole flues and at chimney base with adjustable inlets for primary and secondary air and for preheated tertiary air, each oven having removable doors at both ends and the battery provided with self propelled travelling pusher-*cum*-leveller machine, the entire ovens battery being insulated against heat loss from all sides, such that controlled multi-stage combustion of all the bye-products of carbonisation and multi-directional heating of the charge enables manufacture of metallurgical grade hard coke and special type of cokes in the improved Beehive ovens.

CLASS 126(c). 131160

TRIMMING RESISTANCE CIRCUIT.

THE BUNKER-RAMO CORPORATION, OF OAK-BROOK NORTH, OAK BROOK, ILLINOIS, U.S.A.

Application No. 131160, filed Apr. 28, 1971.

36 *Claims*

A variable/fixed resistance circuit device comprising a substrate, a plurality of electrical paths deposited on the substrate including conductive elements and resistive elements, the paths including a pair of parallel paths one of which includes a resistive segment, a contact member engaging said parallel paths, and means for moving the contact member engaging said parallel paths,

and means for moving the contact member along those paths in engagement with the resistive segment and contact elements secured to said paths including said parallel paths and at least an additional path for establishing a circuit through the latter path independently of the contact member.

CLASS 170-C, 144-E-Z 131257

A PROCESS FOR THE PREPARATION FROM "SPENT *CHANDRUS*" OF A FRENCH POLISH THAT GIVES A HARD AND GLOSSY FINISH TO SURFACES OF WOODEN FURNITURE THAT HAVE RECEIVED A GROUND-COAT OF SHELLAC POLISH.

COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-1, INDIA.

Application No. 131257 filed May 6, 1971.

3 *Claims—No drawings*

A process for the preparation of a French polish that gives a hard and glossy finish to surfaces of wooden furniture that have received a ground coat of shellac-polish which consists in dissolving "spent chandrus", obtained from crude natural resin "*chandrus*" (*Shorea weisneri* Schiffn. fam. Dipterocarpaceae) by a process as herein described by refluxing over a water-bath in mixture of ethanol, benzene and n-Hexane (in the ratio 1 : 2 :7).

CLASS 194-C-1. 131334.

METHOD OF PROVIDING A CLAMPING BAND AROUND THE ENVELOPE OF A TELEVISION DISPLAY TUBE, AND TELEVISION DISPLAY TUBE PROVIDED WITH A CLAMPING BAND ACCORDING TO THE INVENTION.

N. V. PHILIPS GLOEILAMPENFABRIEKEN, AT EMMASINGEL 29, EINDHOVEN (HOLLAND).

Application No. 131334, filed May 12, 1971.

5 *Claims*

A method of providing a clamping band around the envelope of a television display tube, which envelope consists of a window, a cone and a neck, and in which the side wall of the window comprises a mould match line, characterized in that, prior to providing the clamping band on the envelope, the band is provided with a sharp bend at the region where the band is to engage the mould match line, the clamping band being then arranged on the envelope in such manner that an edge of the band adjoins the front face of the window, the sharp bend engaging the mould match line as readily as possible.

CLASS 49-F. 131437.

COOKING APPLIANCE

GIRISH MOHAN KAMRA, SUITE No. B-35, 8735-165 STREET, EDMONTON, ALBERTA, CANADA.

Application No. 131437, filed May 20, 1971.

Post date Oct. 4, 1971

10 *Claims*

An apparatus adapted to be used for the preparation of food articles comprising a chamber, a rotatable support means adapted to support said food article/s or the utensils containing said article/s, said means mounted on a shaft and disposed within said chamber, at least a first heating means provided above said support means and a second heating means provided below said support means, and such that a food article or articles disposed on said support means receives heat from above and below of said support means upon rotation of said shaft.

CLASS 32F-3(C). 131452.

PROCESS FOR THE PREPARATION OF LINALOOL.

HINDUSTAN LEVER LIMITED, HINDUSTAN LEVER HOUSE, 165-166 BACKBAY RECLAMATION, BOMBAY-20, MAHARASHTRA, INDIA.

Application No. 131452, filed May 21, 1971.

9 *Claims—No drawings*

A process for the preparation of linalool which comprises the step of hydrolysing linalyl chloride or linalyl bromide in an aqueous medium at a pH of 6.0-8.0 and a temperature of 0° -25°C.

CLASS 89, 73. 131589.

AN APPARATUS TO COUNT THE NUMBER OF WARP AND WEFT YARNS IN CLOTH.

COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-1, INDIA.

Application No. 131589, filed June 4, 1971.

15 *Claims*

An apparatus to count the number of warp and weft yarns in cloth comprising (i) a microscope fitted with a rack and pinion device which moves the microscope tube up and down for focussing a specimen, the said microscope being movably mounted on a carriage fixed on a stage having an opening for a graticule scale, (ii) a light source below the graticule for lighting the graticule scale, and (iii) a cloth moving device mounted below the graticule, the said cloth moving device comprising two sets of rollers with knobs, which when rotated move a cloth strip placed on a conveyer belt over the roller whereby the number of yarns in the warp and weft of the cloth strip placed below the graticule is counted by looking through the eye-piece of the microscope and counting the number of yarns passed over by the microscope when the cloth strip is moved over the graticule.

CLASS 40F. 131726.

DESIGN OF GRIT CHAMBER SHAPES TO ACHIEVE DESIRED VELOCITY HEAD RELATIONS USING KNOWN SHAPES OF OUTLET WEIRS.

DIRECTOR, INDIAN INSTITUTE OF SCIENCE, BANGALORE-12,.

Application No. 131726 filed June 15, 1971.

11*Claims*

A chamber, such as a grit chamber, adapted to be used for the settling of particles contained in an effluent comprising a chamber having an inlet end, an outlet being in the form of a weir or notch and having any geometrical shape characterized in that the chamber, in instances where the mean velocity is constant, or where

the mean velocity varies inversely with the head or where the mean velocity decreases linearly with the head, has a shape dependent on the equation

$$x(y)=\frac{1}{2}\left[\left(\frac{d}{dh}\frac{Q}{V}\right)^{\frac{6}{m}}\right] \text{ for } h=y$$

where $Q = a_1 h^{m_1} + a_2 h^{m_2} + \ldots\ldots$ and where a_1, a_2, etc are constant coefficients m_1, m_2 are indices of h and h is the head measured from the crest of the weir which is coincident with the bed of the chamber and $V = b_0 + b_1 h^{n_1} + b_2 h^{n_2} + \ldots$ n_1, n_2 etc. are indices of h X (Y)=half width of the section of the chamber at any height y from the bed, or where the weir is of a modified sutro parabolic shape, $Q = 2b\, C_D\, (2g)^{\frac{1}{2}} \int_{0}^{a+d} (h'+y)^{\frac{1}{2}}\, dy$

$$2\, C_D\, (2g)^{\frac{1}{2}} \int_{0}^{h'} (h'-y)^{\frac{1}{2}} \times (y)\, dy$$

where b=half width of the rectangular base weir and the trapezoidal chamber a=height of the rectangular base weir C=coefficient of discharge and h'=head measured from the axis along the base of the parabolic weir and is perpendicular to the base of the chamber. Y=is the axis perpendicular to the x axis d=distance between the bottom of the parabolic notch and the top of the rectangular notch. x(y)=half width of the proportional weir at any height y.

CLASS 129-G 131778.

ARC TORCH CUTTING PROCESS

UNION CARBIDE CORPORATION, 270 PARK AVENUE, NEW YORK, NEW YORK, 10017, UNITED STATES OF AMERICA.

Application No. 131778, filed June 18, 1971.

1 *Claims*

Process for arc cutting and removing metal from a workpiece comprising; establishing an arc between an electrode and a workpiece; maintaining a vertical flow of gas around said arc; introducing a vortical flow of liquid having the same direction as said vortical flow of gas around said flow of gas and said arc, directing said arc, gas flow and liquid flow through a nozzle and against a workpiece thereby to produce high quality cuts and remove metal from said workpiece.

CLASS 10-B, 72-C. 131831.

IMPROVEMENTS IN AIR STOPPING IN UNDERGROUND MINES.

SCHWARZ MINING & INDUSTRIALS LTD., BACKWORTH MINING OFFICES, SHIREMOOR, NORTHUMBERLAND, ENGLAND AND JACK REO KENNEDY, 200 SOUTH JAYNE STREET, TAYLORVILLE, ILLINOIS 62568, UNITED STATES OF AMERICA.

Application No. 131831, filed June 22, 1971.
Convention date July 7, 1970 (32817/70) U.K.

3 *Claims*

A stopping for use in underground mines comprising at least one support bar adapted to have its ends embedded in the rib of a mine, a plurality of pairs of generally chanel-section panels telescopically arranged one within the other and adapted to be resiliently secured in a side-by-side abutting relationship by attachment to the or each support bar, and plural means for yielding securing each pair of telescopically arranged panels to the or each support bar in such a manner that the panels will telescope one within another upon distortion of the mine applying thereto a compressive force, the said securing means comprising a wire clamp member having bifurcated limbs with hooked end portions adapted to engage a flange portion of the telescopic panels with the limbs disposed one on each side of a support bar the clamp member including a central portion between the limbs and which may be rotated relative thereto to apply a securing force to a panel and a support bar.

CLASS 32-F(3)a and (3)C. 60X2d. 132025.

A PROCESS FOR THE ACYLATION OF STERANE COMPOUNDS HAVING HYDROXYL GROUPS IN THE ALLYL-POSITION.

RICHTER GEDEON VEGYESZETI GYAR R.T. GYOMROI UT 21, BUDAPEST X, HUNGARY.

Application No. 132025, filed July 7, 1971.

13 *Claims*

A process for the preparation of steroid compounds of the general formula I shown in the accompanying drawings, wherein X represents hydrogen or an acyl group of 1 to 6 carbon atoms, Y represents hydrogen, an alkyl group of 1 to 4 carbon atoms, vinyl group, allyl group or ethynyl group, Z represents hydrogen or methyl group, V represents an acyl group of 1 to 6 carbon atoms. wherein a compound of formula II shown in the drawings having a hydroxy group in the A-ring in allyl position wherein X, Y and Z have the same meanings as defined above is reacted directly in the solvent mixture with an anhydride of an acid having 1 to 6 carbon atoms in the presence of a tertiary base and iodine catalyst.

CLASS 56-B, 84-B. 132046.

HIGH OCTANE UNLEADED GASOLINE PRODUCTION.

UNIVERSAL OIL PRODUCTS COMPANY, No. 30 ALGONQUIN ROAD, DES PLAINES, STATE OF ILLINOIS, UNITED STATES OF AMERICA.

Application No. 132046 July 9, 1971.

12 *Claims*

A process for producing a high octane, unleaded gasoline pool which comprises the steps of : (a) reacting a heavier-than-gasoline charge stock with hydrogen in a catalytic hydrocracking reaction zone, to produce a hydrocracked product effluent comprising gasoline boiling range and lighter hydrocarbon products : (b) separating the resulting hydrocracked product effluent to provide a first substantially saturated vaporous phase and a gasoline boiling range, normally liquid stream (c) reacting at least a portion of said liquid stream and hydrogen in a low-severity catalytic reforming reaction zone, to convert naphthenic hydrocarbons into aromatic hydrocarbons; (d) separating the reformate to provide an aromatic stream, a saturated normally liquid stream and a second substantially unsaturated vaporous phase; (f) reacting at least a portion of said saturated normally liquid stream in a saturate cracking reaction zone, to produce a liquid a cracked gasoline boiling range liquid stream and a substantially unsaturated vaporous phase; (f) reacting at least a portion of said unsaturated vaporous phase with at least a portion of said first and second saturated vaporous phases in an alkylation reaction zone to produce an alkylate gasoline boiling range, normally liquid stream; and, (g) recovering said aromatic stream, said cracked gasoline stream and said alkylate gasoline stream as said high octane, unleaded gasoline pool.

CLASS 56-C, 29-O, 136-F. 132074.

IMPROVEMENTS RELATING TO MANUFACTURE OF AQUEOUS SLURRY OF CALCIUM SILICATE CRYSTALS AND SHAPED PRODUCTS THEREFROM.

KABUSHIKI KAISHA OSAKA PACKING SEIZO-SHO, No. 1/121, DAIKOKU-CO, NANIWA-KU, OSAKA-SHI, JAPAN.

Application No. 132074, filed July 12, 1971.

13 *Claims*

A method for manufacturing an aqueous slurry of calcium silicate crystals which comprises heating with stirring an aqueous slurry containing lime and a reactive siliceous material as hereinbefore described in a molar ratio of CaO : SiO_2 between 0.65 : 1 and 1.3 : 1 under a steam pressure of at least 5 kg/cm^2 gauge to produce crystallized calcium silicate hydrate dispersed in aqueous medium in the form of agglomerates having a diameter of 10 to 150 u.

CLASS 71-B. 132222.

FINE GRADING DEVICE FOR RUBBER TIRE ROAD GRADER.

BROHIGBU, LTD., P.O. BOX 13246, INDIAN RIVER STATION, CHESAPEAKE, VIRGINIA 23325, UNITED STATES OF AMERICA.

Application No. 132222, filed July 23, 1971.

20 *Claims*

A highly accurate fine grading device supported on a main auxiliary support frame on a power driven vehicle for movement along a path to be graded, said grading device comprising elongated blade means supported from said auxiliary support frame extending substantially transverse to the path of travel of said vehicle, elongated rotary auger means having an axis of rotation parallel to said blade means positioned for rotation immediately forward of said blade means in the direction of movement of said power driven vehicle automatically actuated control means for moving said auxiliary support frame vertically for maintaining the lower edge of the blade at a desired elevation, pivotal support means supporting said blade means and said rotary auger means for unitary pivotal movement about a pivot axis positioned forward of the front surface of said blade means between the front surface of said blade means and the axis of rotation of said rotary auger and actuator means for unitarily pivoting said auger and said blade about said pivot axis for adjusting the height of said auger with respect to said blade without any substantial change in the elevation of the lower edge of said blade.

CLASS 67-C, 29-A. 132433.

DATA READER SYSTEM.

RAYTHEON COMPANY, OF LEXINGTON, COUNTY OF MIDDLESEX, COMMONWEALTH OF MASSACHUSETTS, UNITED STATES OF AMERICA.

Application No. 132433, filed August 9, 1971.

Convention date July 28, 1971 (35525/71) U.K.

26 *Claims*

A data reader system, comprising a coded element containing both clock and data codes thereon and means for reading the data from the element at different rates, the reading means including means for illuminating the coded elements, the illuminating means partially enclosing the element and permitting the coded element to be passed therethrough at different rates by a means external to the illuminating means.

CLASS 107-G. 132546.

IMPROVEMENTS IN OR RELATING TO SPARK IGNITION INTERNAL COMBUSTION ENGINES.

KALYAN KUMAR ADHIKARI, CARE OF SHRI MANORANJAN ADHIKARI.. PANCH PEDHI, JABALPUR, MADHYA PRADESH, INDIA.

Application No. 132546, filed August 17, 1971.

7 *Claims*

In a petrol engine of the type herein defined having at least one cylinder and a carburation system therefor, a flow obstruction means for providing partial obstruction to the petrol air mixture thus augmenting the partial vacuum created at the inlet manifold of the said cylinder during the suction stroke therein, thereby increasing the vaporisation of the period and its thorough mixing with the air, said means being incorporated in between the said carburation system and the said inlet manifold.

CLASS 87A. 132561.

IMPROVEMENTS IN OR RELATING TO BABY WALKER DEVICE.

CHACKACHAMPARAMBIL LONAPPAN GEORGE 121/3448 PANTNAGAR, BOMBAY-75, MAHARASHTRA, INDIA.

Application No. 132561, filed August 18, 1971.

8 *Claims*

A collapsable baby walker device is characterised in that it consists of a frame formed from circular pipe forming a base carrying swivel type castor wheels and brackets forming extension legs for a circular table top having a circular opening formed in eccentric relationship with said table top and said circular opening carries an adjustably mounted saddle type seat proper suspended therefrom by means of leather straps each connected to a coil spring and characterised in that the child using said baby walker slided within said circular opening and seated on said saddle type seat proper so that the child can stand on its feet when propelling the baby walker device from one place to another while learning to walk and seat on the said seat proper when tired.

CLASS 167-C, 74, 155-C-D. 132683.

IMPROVEMENTS IN SIEVE SCREENS.

DUNLOP HOLDINGS LIMITED OF DUNLOP HOUSE, RYDER, ST. JAMES'S LONDON, S.W. 1., ENGLAND.

Application No. 132683, filed August 26, 1971.

Convention date August 28, 1970 (41458/70) U.K.

25 *Claims*

A sieve screen comprising two interconnected sets of parallel elements forming the warp and weft of a mesh wherein each element comprises a core of plastics material such as herein described covered at least in part by a lyer of abrasion-resistant elastomeric material such as herein described.

CLASS 32E. 132828.

PROCESS FOR THE POLYMERISATION OF OLEFINS.

SOLVAY & CIE. OF RUE DU PRINCE ALBERT 33, B-1050 BRUSSELS, BELGIUM.

Application No. 132828, filed Sep. 8, 1971.

10 *Claims—No drawings*

Prodess for the polymerisation of-olefins, characterised by the fact that the operation is carried out in the presence of a catalytic system comprising an organo-metallic compound of a metal of Groups Ia, IIa, IIb, IIIb and IVb of the Periodic table and a catalytic element obtained by reacting an oxygenous compound of a divalent metal with a halogenating agent and a derivative of a metal of Groups IVa, Va and VIa of the periodic table, that the oxygenous compound of a divalent metal is an organic compound that the halogenating agent is selected from among the chlorinating brominating and iodising agents and that the atomic ratio of halogen to divalent metal of the reaction product between the oxygenated compound of a divalent metal and the halogenating agent is greater than 1.

CLASS 49-B, D, E. 133087.

AN IMPROVED CHAKALI PATRA.

MADHUSUDAN DATTUSA KATVE, 1731/35, 'B' Ward, JOSHIRAO BAUG, KOLHAPUR, MAHARASHTRA STATE, INDIA.

Application No. 133087, filed October 1, 1971.

1 *Claim*

The improved 'Chakli Patra' comprising of plurality of threaded or plain pins, the said pins located just above the level of the disc placed inside the hollow cavity of the 'Chakli Patra'.

CLASS 72-B. 133883.

SURVEY EXPLOSIVE COMPOSITIONS.

ICI AUSTRALIA LIMITED, (FORMERLY IMPERIAL CHEMICAL INDUSTRIES OF AUSTRALIA AND NEW ZEALAND LMITED), 1, NICHOLSON STREET, MELBOURNE, VICTORIA, AUSTRALIA.

Application No. 133883 filed December 8, 1971.

Convention date December 16, 1970 (3506/70) Australia.

10 *Claims—No Drawings*

An explosive composition of matter comprising firstly at least one oxygen releasing salt selected from the group consisting of inorganic nitrates, chlorates and perchlorates; secondly, water; thirdly, at least one fuel as hereinbefore defined; and fourthly, water insoluble polymeric particles or granules of the vericulated and/or the retiporous type as hereinbefore defined.

CLASS 77-E & 83-A-1. 134092.

PROCESS FOR RECOVERY OF OIL FROM EXHAUSTED SPENT EARTH.

HINDUSTAN LEVER LIMITED, AT JOMDISTAM EVER JPISE. 165-166, BACKBAY RECLAMATION, BOMBAY-20.

Application No. 134092, filed Dec. 27, 1971.

7 *Claims—No Drawings*

A process for recovery of oil from exhausted spent earth as hereindefined which comprises mixing water with the earth in amount from 4-20% by weight of earth, extracting the mixture thereof with a non-polar solvent, and recovering the oil from the solvent.

CLASS 56 G. 134259.

CONTINUOUS PROCESS FOR SEPARATING OILY REFINERY SLUDGES.

TEXACO DEVELOPMENT CORPORATION, OF 135 EAST 42ND STREET, NEW YARK, NEW YARK 10017, U.S.A.

Application No. 134259, filed Jan. 12, 1972.

9 *Claims*

A process for decoiling and dewatering refinery sludges which comprises mixing said sludges with a light hydrocarbon having a substantially lower specific gravity than said sludges; separating the resulting mixture into water having a reduced chemical oxygen demand, a solids-water phase and an oil-hydrocarbon phase, heating said last phase to a temperature above the critical temperature of said hydrocarbon under a pressure in the range of from 500 to 600 psig sufficient to keep said hydrocarbon in a dense phase whereby said phase is split into a hydrocarbon portion and an oil portion and recovering said last mentioned portion.

CLASS 32-F(1). 135368.

PROCESS FOR THE PRODUCTION OF 3-(4-CHLOROPYRAZOLYL-1)-COUMARINES.

BAYER AKTIENGESELLSCHAFT, FORMERLY KNOWN AS FARBENFABRIKEN BAYER AKTIENGESELLSCHAFT, LEVERKUSEN, FEDERAL REPUBLIC OF GERMANY.

Application No. 144/Cal/73, filed January 19, 1973.

Division of Application No. 127808, July 30, 1970.

2 *Claims*

Process for the production of 3-(4-chloro-pyrazoly-1)-coumarines of the formula as shown in Figure 1 of the accompanying drawings, wherein R is an aromatic-heterocyclic radical, R_1 and R_2 are hydrogen, C_1—C_7 alkyl, cycloalkyl, aralkyl or aryl, characterised in that compounds of the formula shown in Figure 2 of the drawings, in which R, R_1 and R_2 have the same meaning as given above, are chlorinated.

CLASS 199 & 24-D-3. 135369.

FLUID LEVEL INDICATING DEVICES.

GIRLING LIMITED, OF KINGS ROAD, TYSELEY, BIRMINGHAM 11, ENGLAND.

Application No. 312/72, filed on May 25, 1972.

Convention date May 26, 1971.

8 *Claims*

A fluid level indicating device comprising a main housing, a level responsive member, a housing member contained at least in part, within the main housing, magnetic means mounted on one of the said members, and magneticallyoperable switch means mounted on the other of the said members, the switch means being actuated by movement of the magnetic means relative thereto, the arrangement being such that relative movement of the switch means and the magnetic means can be effected by movement of the level responsive member automatically in response to changes in fluid level, and alternatively by manual movement of the level responsive member and the housing member relative to each other; to test the device.

Appeal Proceedings

The appeal filed by Dr. R. U. Ram Rasar under Section 5 of the Indian Patents and Designs Act, 1911 in respect of application for patent numbered 121582 has not been allowed by the Central Government.

Patents Sealed

124841.	125528.	125614.	126120.	126169.	126474.
126546.	126761.	126775.	127018.	127275.	127400.
127459.	127554.	127627.	127769.	127887.	127914.
127915,	128276.	128410.	128430.	128445.	128618.
128648.	128661.	129124.	129396.	129398.	129425.
129620.	129625.	129959.	130277.	130347.	130458.
130459.	130460.	130495.	130629.	130977.	131733.
134137.	134138.				

Amendment of Patents

In pursuance of an application under Section 44 of the Patents Act, 1970, Patent No. 83044 has been amended by substituting the names, addresses and nationalities of the assignees Chandrakant Somabhai Patel, Jayantibhai Motibhai Patel and Vinodchandra Chhota bhai Patel of the grantee for his name, address and nationality.

Amendment Proceedings—Section 57

The amendments proposed by F. Hoffmann-La Roche & Co. Aktiengesellschaft, in respect of application for Patent No. 124707 as advertised in Part III, Section 2 of the Gazette of India, dated the 28th October 1972 has been treated as withdrawn.

Patents deemed to be endorsed with the words "Licences of Right"

The following patents are deemed to have been endorsed with the words "Licences of Right" under Section 87 of the Patents Act, 1970. The dates shown in tht crescent brackets are the dates of the patents.

No. & Title of the Invention

82531 (30-5-1962) Process for cooling gaseous mixture and for producing at least one constituent of this mixture.

100775 (24-7-1965) A method of manufacturing phosphoric acid.

100803 (27-7-1965) Azophthalocyanine dyestuffs, process for preparing them, and process for dyeing textile material using said dyestuff.

100804 (27-7-1965) Dyestuffs, process for their manufacture and synthetic materials dyed or printed using said dyestuffs.

100805 (27-7-1965) Process and apparatus for steam reforming of hydrocarbons.

100808 (27-7-1965) Improvements in or relating to an electronically conductive polymer composition and a process therefor.

100810 (27-7-1965) Improvements in or relating to the manufacture of dissolving grade pulps.

100827 (28-7-1965) Process for producing high-strength ore pellets.

100886 (2-8-1965) Treatment of vinyl ester.

100889 (2-8-1965) A method of producing a stable form of dimethyl dithiophosphate.

100890 (2-8-1965) Polymer compositions and a process for preparing them.

100909 (2-8-1965) Process and apparatus for cracking hydrocarbons with an electric arc.

100910 (2-8-1965) Improvements in or relating to a process for producing vinyl chloride.

100918 (3-8-1965) Water-soluble azo dyestuffs and their metal complex compounds and process for preparing them.

100922 (3-8-1965) Process for the preparation of olefine interpolymer and a method for the preparation of cured latex therefrom.

100933 (3-8-1965) Process and apparatus for cracking hydrocarbons with an electric arc.

100935 (3-8-1965) Explosive composition and a process for preparing it.

100936 (3-8-1965) Pesticidal compositions containing new N-acyl-carbamates.

100937 (3-8-1965) Pesticidal preparations.

100946 (3-8-1965) Process and plant for the reduction of iron ores.

100970 (4-8-1965) Parahydroxy benzoic acid anl process for manufacturing the same.

100980 (6-8-1965) Procesr for the separation of ammonia.

101006 (7-8-1965) Improved process for the recovery of p--xylene.

101022 (9-8-1965) Method of forming copolymer of vinyl chloride and ethylene.

101023 (9-8-1965) A method of forming a copolymer of vinyl chloride and propylene.

101024 (9-8-1965) A process for preparing a polyamide.

101026 (9-8-1965) A process for preparing a polyamide

No. & Title of the invention

101029 (9-8-1965) Production of trermoplastic powders.

101037 (9-8-1965) New cinnamoylaminoanthraquinones, process for their manufacture and materials dyed or printed therewith.

101055 (10-8-1965) Process for improving the keepability of edible vegetable oils by selective hydrogenation.

101063 (16-7-1965) A process for the production of organic acetates.

101078 (11-8-1965) New organic tin-boron compounds, process for their production and biocidal agents containing them.

101092 (22-8-1964) Tin purification process.

101112 (13-8-1965) New cinnamoylamino-isothiazoleanthrones, process for their manufacture, and polyester textile material dyed or printed therewith.

101133 (24-8-1965) Process for the removal of sulphur dioxide from gas mixtures and acceptors to be used in this process.

101153 (8-9-1964) Disproportionation of olefines.

101166 (17-8-1965) Process for treating caramel color to increase it tinctorial power and stability.

101175 (17-8-1965) New vat dyes of the anthraquinoncimidazole series, process for their manufacture and materials dyed or printed therewith.

101176 (17-8-1965) Fibre reactive azo dyestuffs, process for their manufacture and materials dyed or printed therewith.

101184 (17-8-1965) Recovery of phenol and dihydroxy benzene from coke over gases.

101219 (20-8-1965) Process for the hydrogenation of insaturated hydrocarbons by the use of catalysts.

101228 (21-8-1965) A method of making solid thermoplastic modifiers and thermoplastic compositions containing the same.

101237 (23-8-1965) Production of polymers from C_3 to C_5 hydrocarbon fraction.

101238 (23-8-1965 Hydrocarbon conversion.

101274 (24-8-1965) Process for the manufacture of azo dyestuffs.

101275 (24-8-1965) Method and apparatus for purification of gases.

101298 (25-8-1965) Process for preparing secondary-alkyl primary amines from olefins and products thereof.

101306 (1-4-1965) Process for the preparation of acids from their salts, particularly or phosphoric acid.

101313 (27-8-1965) Improved process for drying or dehydrating kaolin, soda ash and like chemicals.

101328 (27-9-1965) Process for optically brightening organic materials with new bisazoles.

101339 (8-8-1965) Process for the purification of phenol.

101340 (28-8-1965) Process for purifying phenol.

101341 (28-8-1965) Production of phenols.

101342 (28-8-1965) Process for reactivating solid phthalocyanine catalyst.

101343 (28-8-1965) Catalytic hydrocracking process.

No. & Title of the invention

101357 (3-9-1964) A process for preparing fertilizer compositions.

101377 (1-10-1964) Acyl-bis-acetic anilides, process for their manufacture, and process and multilayer material containing the same for the production of yellow photographic images.

101379 (31-8-1965) Method and machine for producing boneless comminuted meat.

101397 (3-9-1964) Pesticidal compositions.

101466 (6-9-1965) Dry process acetylent generation method and equipment.

101471 (7-9-1965) Process for preparing water-soluble dyestuffs.

101473 (7-4-1965) Process for the manufacture of pyridines.

101482 (7-9-1965) Recovery of high purity nitrogen by fractionation of liquid air.

101483 (7-9-1965) Improvements in and relating to heat treatment of alloys.

101489 (7-9-1965) Tricyclic compounds and process for the manufacture thereof.

101492 (8-9-1965) A process for the polymerization and/or copolymerization of cyclic anhydrides of hydrocarboxylic acids, polymers and copolymers obtained thereby, and fibres films and moulded objects formed therefrom.

101499 (8-9-1965) Continuous process for producing gasoline hydrocarbons.

101508 (8-9-1965) Process for direct reduction of iron ores.

101521 (18-9-1964) Improvements in or relating to the manufacture of aromatic amines of the benzene series.

101527 (10-9-1965) Inhibiting thermal polymerization and the growth of popcorn polymer in vinyl pyridine and ethylenically unsaturated hydrocarbons and esters by addition thereto of *n*-nitrosoorganohydroxylamines and salts thereof.

101536 (13-9-1965) Process for the production of unsaturated nitriles.

101541 (13-9-1965) Indian compounds and process for the manufacture thereof.

101543 (13-9-1965) A composition for controlling weeds and a method for the preparation thereof.

101565 (14-9-1965) Fibre-forming synthetic linear polyamide compositions and process for preparing the same.

101572 (14-9-1965) New water-insoluble anthraquinone dyestuffs, process for their manufacture, and polyester fibres dyed or printed therewith.

101585 (15-9-1965) Method of crosslinking polymers.

101626 (18-9-1965) Improvements in or relating to the manufacture of soft ferrites.

101628 (18-9-1965) Process for recovery of tin metal.

101630 (18-9-1965) A process for the production of pure aromatics such as benzene, toluent, xylene, naphthalene etc. from pure and mixed alkylaromatic feeds with or without saturates.

No. & Title of the invention

101650 (21-9-1964) Process for the preparation of polyvinyl aromatic compounds.

101653 (20--9-1965) Process for cooling gaseous mixture and for producing at least one constituent of this mixture.

101672 (21 9-1965) Chlorinated α-aminoanthraquinones and process for their manufacture.

101673 (21-9-1965) Process and apparatus for separating mixtures by multiple distribution between two immiscible liquids.

101674 (22-9-1965) Method of recovery of the precious metal evaporated during catalytic reactions.

101676 (22-9-1965) A method and a device for the continuous refining of molten pig iron.

101683 (23-9-1965) Process for the preparation of condensed milk.

101685 (23-9-1965) Production of halogens.

101690 (23-9-1965) Process for the preparation of fluorinated esters and/or their polymers, compounds so obtained and substrates treated thereby.

101700 (23-9-1965) Separation of straight chain hydrocarbons from mixtures.

101705 (2-7-1965) A process for preparing inorganic pigments.

101712 (25-9-1965) Improvements in or relating to recovery of zinc from by-product zinc compounds.

101729 (27-9-1965) Azo dyestuffs and their metal complex compounds, process for preparing them and material which has been dyed or printed by a process using said azo dyestuffs.

101757 (27-9-1965) Process for the production of light hydrocarbon fractions and lubricating oil.

101765 (28-9-1965) Optical brighteners process for preparing them and process for optical brightening of organic fibrous materials, foils and shaped articles.

101768 (7-12-1964) Pesticidal composition.

101782 (29-9-1965) Process and apparatus for the continuous production of acetylene in wet state.

101793)29-9-1965) Process for the production of copper-containing diazo dyestuffs suitable for the dyeing of fibres containing cellulose.

101815 (5-10-1964) Process for -making -dyestuff -solution.

101827 (6-10-1965) Water soluble azo dyestuffs, their manufacture and use.

101828 (6-10-1965) Polymeric phthalocyanine reactive dyes, their manufacture and use.

Renewal Fees Paid

64008. 64078. 64151. 64387. 64403. 67585. 67642.
67688. 67758. 67940. 70143. 70144. 70145. 71593.
71747. 71763. 71833. 71848. 71902. 71989. 71995.
72016. 72028. 72021. 72085. 72099. 72100. 72103.
72204. 72232. 72312. 72398. 72423. 75659. 76112.
76497. 76573. 76574. 76583. 76584. 76636. 76641.
76655. 76684. 76717. 76740. 76786. 76861. 76916.
76923. 76982. 77146. 77245. 77268. 80771. 81799.
81877. 81955. 82223. 82245. 82246. 82299. 82317.
82531. 82558. 82765. 82930. 82959. 82960. 83166.
83279. 83351. 83900. 87631. 87734. 87814. 87902.

87917. 87919. 87926. 87938. 87940. 87962. 88149.
88163. 88257. 88268. 88288. 88374. 88378. 88396.
88487. 88488. 88492. 88676. 88987. 89289. 89882.
90731. 91363. 93272. 93698. 93701. 93712. 93725.
93748. 93760. 93773. 93832. 93849. 93886. 93936.
93973. 94051. 94068. 94184. 94241. 94326. 94404.
94656. 94779. 96302. 96378. 99211. 99410. 99424.
99436. 99451. 99453. 99454. 99493. 99558. 99563.
99584. 99599. 99628. 99651. 99652. 99654. 99655.
99660. 99897. 99904. 99997. 100147. 100177. 100193.
100194. 100195. 100196. 100197. 100306, 101022.
101023. 101613. 104665. 104666. 104848. 104863.
104998. 105064. 105185. 105198. 105240. 105256.
105258. 105261. 105270. 105279. 105280. 105311.
105312. 105314. 105315. 105318. 105323. 105338.
105339. 105380. 105383. 105384. 105385. 105388.
195391. 105441. 105550. 105576. 105616. 105642.
105696. 105718. 105735. 105738. 105873. 105886.
105894. 106039. 106297. 106506. 106866. 107303.
107871. 108995. 109542. 109712. 109792. 109809.
110146. 110147. 110179. 110481. 110482. 110488.
110562. 110595. 110598. 110616. 110617. 110627.
110653. 110658. 110664. 110681. 110694. 110695.
110696. 110697. 110701. 110712. 110715. 110740.
110748. 110789. 110795. 110815. 110821. 110878.
110946. 110986. 111066. 111758. 112211. 112461.
114343. 114566. 115243. 115412. 115535. 115568.
115572. 115708. 115729. 115783. 115805. 115806.
115807. 115809. 115824. 115862. 115866. 115878.
115935. 115939. 115948. 115973. 116018. 116023.
116093. 116095. 116104. 116149. 116159. 116161.
116169. 116201. 116306. 116329. 116357. 116363.
116385. 116441. 116444. 116465. 116468. 116515.
116750. 116893. 116903. 116974. 117302. 118914.
119933. 120003. 120100. 120661. 120721. 120825.
120830. 121185. 121227. 121267. 121268. 121285.
121290. 121291. 121305. 121306. 121307. 121311.
121325. 121347. 121348. 121349. 121361. 121366.
121371. 121376. 121389. 121391. 121392. 121395.
121410. 121411. 121414. 121422. 121495. 121512.
121567. 121585. 121588. 121714. 121721. 121814.
121864. 121914. 121941. 121958. 121981. 122028.
122033. 122145. 122468. 122469. 122470. 122471.
122472. 122473. 122474. 122475. 122476. 122477.
123512. 125521. 125915. 125976. 125990. 126038.
126048. 126434. 126455. 126616. 126648. 126780.
126891. 126925. 127155. 127242. 127296. 127419.
127612. 127946. 127947. 128238. 128452. 129105.
129200. 129201. 129202 129275. 129947. 131019.
131065. 131293.

Cessation of Patents

100756. 101183. 101189. 101191. 101196. 101205.
101206. 101213. 101220. 101239. 101242. 101246.
101247. 101249. 101250. 101251. 101254. 101255.
101257. 101258. 101260. 101264. 101266. 101267.
101268. 101269. 101276. 101281. 101282. 101283.
101284. 101285. 101286. 101288. 101289. 101290.
101295. 101296. 101302. 101303. 101305. 101308.
101312. 101321. 101325. 101330. 101332. 101333.
101335. 101348. 101350. 101351. 101352. 101354.
101360. 101361. 101363. 101364. 101369. 101370.
101374. 101375. 101383. 101390. 101392. 101396.
101402. 101403. 101412. 101421. 101422. 101424.
101425. 101426. 101427. 101428. 101429. 101431.
101432. 101433. 101435. 101436. 101437. 101438.
101439. 101440. 101444. 101445. 101446. 101448.
101449. 101450. 101451. 101452. 101454. 101455.
101457. 101459. 101463. 101470. 101472. 101474.
101475. 101477. 101478. 101479. 101485. 101487.
101488. 101496. 101497. 101503. 101505. 101506.
101510. 101515. 101518. 101519. 101520. 101524.
101525. 101526. 101529. 101530. 101531. 101533.
101537. 101546. 101549. 101550. 101551. 101553.
101555. 101556. 101558. 101560. 101563. 101570.
101573. 101582. 101584. 101586. 101587. 101589.
101594. 101595. 101599. 101600. 101601. 101603.
101606. 101608. 101616. 101617. 101619. 101620.
101624. 101629. 101634. 101635. 101636. 101637.
101638. 101639. 101640. 101641. 101643. 101644.
101646. 101654. 101655. 101659. 101661. 101669.
101677. 101678. 101688. 101689. 101692. 101693.
101695. 101698. 101699. 101701. 101703. 101706.
101707. 101708. 101709. 101710. 101711. 101715.
101716. 101717. 101719. 101722. 101723. 101726.
101728. 101730. 101731. 101732. 101733. 101737.
101739. 101740. 101741. 101742. 101743. 101744.
101745. 101748. 101749. 101759. 101764. 101766.
101767. 101770. 101771. 101773. 101774. 101775.
101776. 101780. 101786. 101787. 101788. 101791.
101794. 101795. 101796. 101800. 101801. 101814.
101819. 101820. 101821. 101825. 101826. 101833.
101835. 101839. 101844. 101845. 101846. 101851.
101852. 101853. 101857. 101864. 101865. 101868.
101873. 101874. 101875. 101876. 101878. 101880.
101882. 101888. 101891. 101893. 101896. 101898.
101899. 101900. 101907. 101908. 1011912. 101913.
101915. 101916. 101917. 101918. 101927. 101932.
101934. 101937. 101939. 101940. 101941. 101950.
101956. 101957. 101958. 101959. 101962. 101963.
101964. 101966. 101967. 101969. 101971. 101972.
101974. 101976. 101977. 101978. 101987. 101992.
102001. 102002. 102008. 102016. 102024. 102027.
102029. 102031. 102032. 102033. 102035. 102039.
102040. 102042. 102043. 102044. 102052. 102056.
102075. 102079. 102082. 102083. 102087. 102089.
102090. 102091. 102092. 102100. 102101. 102103.
102104. 102110. 102116. 102118. 102119. 102121.
102122. 102127. 102128. 102131. 102132. 102133.
104077. 107455. 107605. 110870. 111088. 112027.

Restoration Proceedings

(1)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 72817 granted to Chemiewerk Homburg Zweigniederlassung Der Degussa, formerly known as Chemiewerk Homburg Aktiengesellschaft for an invention relating to "Novel-7 theophylline derivatives and a process for the production thereof." The Patent ceased on the 3rd May 1972 due to non payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2, dated the 19th May, 1973.

Any interested person may give notiec of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents. The Patent Office, 214, Acharya Jagdish Bose Road, Calcutta-17 on or before the 26th July, 1973 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filled with the notice or within one month from the date of the notice.

(2)

An application for restoration of Patent No. 99211 dated the 30th August 1965 made by Mrs. Nani Bai on the 2nd November 1972 and notified in the Gazette of India, Part III, Section 2 dated the 10th February 1973 has been allowed and the said patent restored.

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in each entry is the date of registration of the design included in the entry.

Class 1. Nos. 140368 to 140370. Naba Kumar Routh, an Indian National, 78, Netaji Subhas Road, Calcutta-7, West Bengal, India, "Chapatti making machine" (Belna machine), November 9, 1972.

Class 1. No. 140460. Union Carbide Indian Limited, an Indian Company, of 1, Middleton Street, Calcutta-16, West Bengal, India, "Bottom cap for flashlight", December 11, 1972.

Class 1. Nos. 140467 & 140472. Swan (India) Private Limited (a private Limited company registered under the Indian Companies Act), Advani Chambers, Sir Phirozshah Mehta Road, Fort, Bombay-1, Maharashtra State, India, "Fountain Pen", December 12, 1972.

Class 1. Nos. 140468 to 140471. Swan (India) Private Limited (a private limited company incorporated under the Indian Companies Act), Advani Chambers, Sir Phirozshah Mehta Road, Fort, Bombay-1, Maharashtra State, India, "Ball Pen", December 12, 1972.

Class 1. No. 140509. Massey-Ferguson Services N.V. a Corporation of Netherlands Antilles, Abraham de Veerstraat 7A Curacao, Netherlands Antilles, "Grill for tractor", December 28, 1972.

Class 1. No. 140516. Rajinder Motors, 323/2, Panja Sareef, Kashmere Gate, Delhi-6, Indian, (an Indian Partnership Firm), "Rear view mirror", January 1, 1973.

Class 1. Nos. 140517 & 140518. Aarson Insulators, 9 Ub, Jawahar Nagar, Delhi (India), (an Indian Partnership Firm), "Fan", January 1, 1973.

Class 1. No. 140522. Auto Engineering Works, Indian proprietory concern, Opposite Police Station, G. T. Road, Khatuali, India, "Water pump body", January 1, 1973.

Class 3. No. 140330. Dunlop Limited, A British Company, of Dunlop House, Hyder Street, St. James's, London S.W.1., England, "A bed", October 23, 1972.

Class 3. No. 140377. G. T. Enterprise, a Sole Proprietory Indian firm, 51, Aurobindu Sarani, Calcatta 5; West Bengal, India, "Cap for electric signal lamps", November 14, 1972.

Class 3. No. 140451. Union Carbide India Limited, an Indian Company, 1, Middleton Street, Calcutta-16, West Bengal, India, "Flashlight switch", December 11, 1972.

Class 3. No. 140452. Union Carbide India Limited, an Indian Company, of 1 Middleton Street, Calcutta-16, West Bengal, India, "Bottom cap for flashlight", December 11, 1972.

Class 3. Nos. 140453 to 140455. Union Carbide Limited, an Indian Company, of 1 Middleton Street, Calcutta-16, West Bengal, India, "Lens-ring for flashlight", December 11, 1972.

Class 3. No. 140461. Union Carbide India Limited, an Indian Company, of 1 Middleton Strett, Calcutta-16, West Bengal, India, "Bottom cap for flashlight", December 11, 1972.

Class 3. No. 140465. Pream Plastics, (an Indian Proprietory Concern), Patel Industrial Estate, Dahisar (East), near Chunabhati Stop, Bombay-68, Maharashtra State, India, "Toy", December 12, 1972.

Class 3. No. 140475. Minni Trading Corporation, 6, Fateh Nivas, Goraswadi, Malad, Bombay-64, Maharashtra, and Indian Partnership Firm, "Decanter with cap", December 13, 1972.

Class 3. No. 140482. Premnath Gupta, Indian, trading as S. Tosh & Co., of 14/2, Old China Bazar Street, Calcutta-1, West Bengal, India, "Plastic container for cosmetic goods", December 16, 1972.

Class 3. No. 140491. Vasa Interchem Private Limited, an Indian Company incorporated under the Companies Act, 302, Neelam, 108, Worli Sea Face Road, Worli, City of Bombay, State of Maharashtra, India, "Bottles", December 19, 1972.

Class 3. No. 140492. Rajpal Plastic Industries, (an Indian Partnership Firm), 303, Neelkanth, 98, Marine Drive, Bombay-2, (Maharashtra), "Brush", December 19, 1972.

Class 3. No. 140501. New Gift Era, (an Indian Partnership Firm), 5/5A, Grants Building, Arthur Bunder Road, Colaba, Bombay 5 (Maharashtra), "Ice container", December 23, 1972.

Class 3. No. 140510. B. K. Plastics Private Limited, A-7 Sector XXII. Industrial Area, Meerut Road, (P.O.) Ghaziabad U.P. India, an Indian Company, "Toilet Tray", December 29, 1972.

Class 4. No. 140462. Ciba of India Limited, a Company incorporated under the Indian Companies Act, 1913 and having its Registered Office at 14, Jamshedji Tata Road, Bombay-20, India, "A container", December 12, 1972.

Class 10. Nos. 140502 & 140503. Dunlop Limited, a British Company, Manufacturers, of Dunlop House, Ryder Street, St. James's, London S.W.1., England, "Footwear", June 27, 1972 (U.K.).

Class 10. No. 140504. Dunlop Limited, a British Company, Manufacturers, of Dunlop House, Ryder Street, St. James's, London S.W. 1., England, "Footwear", December 9, 1972, (U.K.).

Class 11. No. 140419. Samri Chinubhai Gandhi, an Indian national, residing at Shreyas, Flat No. 16, 2nd floor, 180 Backbay Reclamation, Nariman Point, Bombay 400-020, State of Maharashtra, India, "Abdominal belt", December 5, 1972.

Class 12. No. 140495. Tobacco Research and Development Institute Limited, of Baarerstrasse 10, Zug, Switzerland, a company registered according to the laws of Switzerland, "Cigarettes", December 21, 1972.

Cancellation Proceeding (Design)

Section 51A

(1)

An application has been made by A. A. Attarwala & Co. for cancellation of the registration of Design No. 138786 in Class 3 in the name of Murshedali Khan.

(2)

An application has been made by A. A. Attarwala & Co. for cancellation of the registration of Design No. 139795 in Class 3 in the name of Murshedali Khan.

(3)

An application has been made by Taj P.V.C. Corporation for cancellation of the registration of Design No. 139938 in Class 10 in the name of M/s. Imperial Shoe Co.

Cancellation of the registration of Designs (Section 51A)

The application made by M. Manubhai & Co., for cancellation of the registration of Design No. 137756 registered in the name of Shree Jam Hosiery Works Private Limited and notified in Part III, Section 2 of the Gazette of India dated the 1st January 1972 has been allowed and the registration of the said design has been cancelled.

NAME INDEX FOR APPLICANTS FOR PATENTS FOR THE MONTHS OF APRIL, 1973 (Nos. 742/Cal/73 to 1011/Cal/73, 116/Bom/73 to 155/Bom/73 and 50/Mas/73 to 64/Mas/73.)

Name and Application No.

—A—

Adgaonkar, C. S.—143/Bom/73.
Agarwal, H. K.—748/Cal/73.
Agfa-Gevaert—961/Cal/73.
Agrawal, V. N.—136/Bom/73.
Ahmedabad Textile Industries' Research Association—137/Bom/73, 155/Bom/73.
Ajinomoto Co., Inc.—1006/Cal/73.
Aktiebolaget Tudor—766/Cal/73, 767/Cal/73.
Albright & Wilson Limited—966/Cal/73.
Allen & Hanbury's Ltd.—926/Cal/73.
Aluminum Company of America—794/Cal/73.
American Home Products Corpn.—901/Cal/73.
American Optical Corpn.—845/Cal/73.
Aneconda Co., The—795/Cal/73.
Apte, G. V.—150/Bom/73, 151/Bom/73, 152/Bom/73.
Archifar Industrie Chimiche Del Trentino S.p.A.—750/Cal/73.
Atre, V. M.—120/Bom/73, 121/Bom/73.
Avon Rubber Company Limited—964/Cal/73.

—B—

Babanova, O. R.—969/Cal/73.
Badische Anilin- & Soda-Fabrik Aktiengesellschaft—768/Cal/73.
Baychem Corpn.—828/Cal/73.
Bayer Aktiengesellschaft—873/Cal/73, 874/Cal/73, 875/Cal/73.
Bca Corpn.—923/Cal/73.

Name & Application No.

Bdh Pharmaceuticals Limited—962/Cal/73.
Bergwerksverband GMBH—784/Cal/73.
Bhanotra, C. M. (Dr.)—149/Bom/73.
Bhaskar, C. K.—62/Mas/73, 63/Mas/73.
Bhate, M. D.—127/Bom/73.
Bhatia, S. K.—131/Bom/73.
Bhide, V. R.—1010/Cal/73.
Birla Research Institute for Applied Sciences—118/Bom/73.
Blinova, G. P.—969/Cal/73.
Bochringer Mannheim GMBH—992/Cal/73, 993/Cal/73.
Boldovsky, S. A.—969/Cal/73.
Bristol-Myers Co.—813/Cal/73.
Buchek, F.—140/Bom/73.
Bulatov, A. A.—969/Cal/73.
Bunker Ramo Corpn.—787/Cal/73, 816/Cal/73, 1001/Cal/73.
Burroughs Corpn.—747/Cal/73, 928/Cal/73.

—C—

Canadian Industries Limited—957/Cal/73.
Canadian Ingersoli-Rand Co., Limited—872/Cal/73.
Carrier Corpn.—865/Cal/73, 949/Cal/73.
Caterpiller Tractor Co.—781/Cal/73.
C.A.V. Ltd.—772/Cal/73, 773/Cal/73, 774/Cal/73, 775/Cal/73, 776/Cal/73, 777/Cal/73, 778/Cal/73.
Chakradeo, P. L.—123/Bom/73, 124/Bom/73, 125/Bom/73, 126/Bom/73.
Chernyavsky, J. M.—969/Cal/73.
Cheshokov, A. I.—969/Cal/73.
Chief Controller, Research & Development, Ministry of Defence, Government of India, The—856/Cal/73.
Ciba-Geigy AG.—824/Cal/73, 954/Cal/73, 955/Cal/73, 991/Cal/73.
Cluett, Paboody & Co., Inc.—987/Cal/73.
Colgate-Palmolive Co.—910/Cal/73.
Compact Switch Gear Pty. Ltd.—880/Cal/73.
Connollys (Blackley) Ltd.—742/Cal/73.
Continental Oil Co.—892/Cal/73.
Council of Scientific and Industrial Research—790/Cal/73, 791/Cal/73, 792/Cal/73, 793/Cal/73, 807/Cal/73, 838/Cal/73, 839/Cal/73, 852/Cal/73, 894/Cal/73, 939/Cal/73, 940/Cal/73, 950/Cal/73, 994/Cal/73.

—D—

Dana Corpn.—799/Cal/73.
Danfoss A/S.—132/Bom/73.
Deb, B. K.—860/Cal/73, 884/Cal/73.
Department of Food, Government of India, Ministry of Agriculture,The—909/Cal/73.
Deutsche Gold-Und Silber-Scheidcanstalt Vormals Roessler—1009/Cal/73.
Deutsche Texaco Aktiengesellschaft—850/Cal/73.
Dhrangadhra Chemical Works Ltd.—147/Bom/73.
Diagnostic Data, Inc.—1004/Cal/73.
Diamond Shamrock Corpn.—934/Cal/73.
Doomasia, Z. J.—119/Bom/73.
Dorairaj, D.—54/Mas/73.
Dresser Investments, N. V.—769/Cal/73.
Dunlop Ltd.—757/Cal/73, 808/Cal/73, 965/Cal/73, 986/Cal/73, 1002/Cal/73, 1003/Cal/73.

Name & Application No.

—E—

Egyesult Izzolampa Es Villamossagi Reszvenytarsasag.—749/Cal/73. 803/Cal/73. 935/Cal/73.

E|I.Du Pont De Nemours and Company—979/Cal/73. 980/Cal/73.

Emhart Corpn.—849/Cal/73.

Etat Francais—760/Cal/73, 761/Cal/73.

Ethicon, Inc.—946/Cal/73.

—F—

Fabrica Italiana Magneti Marelli S.p.A.—864/Cal/73.

Farbwerke Hoechst Aktiengesellschaft Vormals Meister Lucius & Bruning—763/Cal/73.

Firestone Tire & Tubber Co., The—863/Cal/73.

F. L. Smidth & Co., A/S, Forest Research Institute and Colleges, Dehradun, President. Fuller and Sadao, Inc.—953/Cal/73, 930/Cal/73, 8831/Cal/73.

General Electric Company—982/Cal/73, 1007/Cal/73.

—G—

George, M. P.—933/Cal/73.

Giammarco, G.—952/Cal/73.

Girling Ltd.—902/Cal/73, 948/Cal/73.

Globe-Union Inc.—746/Cal/73.

Gokhale, M. G.—122/Bom/73.

Gokhale, V. G.—139/Bom/73.

Gruppo Lepotit S.p.A.—805/Cal/73, 806/Cal/73, 815/Cal/73.

Gupta, L. N.—857/Cal/73.

Gutnick, M.—895/Cal/73.

—H—

Halder, A. B.—885/Cal/73.

Hamel G.m.b.H.—978/Cal/73.

Harsukh—861/Cal/73.

Hayashibara Biochemical Laboratories, Inc.—851/Cal/73.

H. Vissers N. V.—893/Cal/73.

—I—

Imperial Chemical Industries Ltd.—903/Cal/73.

Indian Council of Agricultural Research, The, New Delhi.—148/Bom/73.

Industrie Pirelli Societa per Azioni.—985/Cal/73.

Institut De Recherches De La Siderurgie Francaise.—786/Cal/73.

Institut Elektrosvarki Imeni E.O. Patona Akademii Nauk Ukrainskoi SSR.—896/Cal/73.

Intercooperation Kereske-delemfejlesztesi Rt.—936/Cal/73.

International Nickel Ltd.—848/Cal/73, 858/Cal/73.

I.S.F.S.P.A.—782/Cal/73.

Ishikawajima-Harima Jukogyo Kabushiki Kaisha—976/Cal/73.

Istituto De Angeli S.p.A.—804/Cal/73.

Italia, J. S.—138/Bom/73.

Iyer, J. P. S.—53/Mas/73.

—J—

Janssen Pharmaceutical N. V.—834/Cal/73, 835/Cal/73.

J. & J. Dyson Ltd.—976/Cal/73.

Johns-Manville Corporation.—981/Cal/73.

Joslyn Mfg. and Supply Co.—925/Cal/73.

Name & Application No.

—K—

Kabra, G.—931/Cal/73.

Kabushiki Kaisha Osaka Packing Seizosho.—932/Cal/73.

Kacker, P. N.—1005/Cal/73.

Kejriwal, C. K.—785/Cal/73, 801/Cal/73.

Klimenskava, D. N.—969/Cal/73.

Klockner-Humboldt-Deutz Aktiengesellschaft.—999/Cal/73.

Knapsack Aktiengesellschaft.—846/Cal/73.

Knyazhev, A. A.—969/Cal/73.

Konijn Machinebouw B. V.—983/Cal/73.

K. Pettersens Sonner A/S.—891/Cal/73.

Krka tovarna farmacevtskih in kemicnih izdelkov.—859/Cal/73.

—L—

La Raus, S.R.—913/Cal/73.

La Telemecanique Electrique.—779/Cal/73.

Lameshev, V. F.—969/Cal/73.

Leningradskoe Elektromashinostroitelnoe Objedinenie "Elektrosila" imeni S. M. Kirova.—832/Cal/73.

Leningradsky Dvazhdy Ordena Lenina I Ordena Oktyabrskoi Revoljutsii Metallichesky Zavod Imeni XXII Siezda Kpss.—897/Cal/73.

Leo Pharmaceutical Products Ltd. A/S (Lovens Kemiske Fabrik Produktionsaktieselskab).—818/Cal/73.

Lepik, I. P.—969/Cal/73.

Likandrov, M. M.—969/Cal/73.

Litton Industries, Inc.—879/Cal/73.

Lokur, V. N.—1011/Cal/73.

Lucas Electrical Company Ltd., The—809/Cal/73, 997/Cal/73.

—M—

Magon, O. P.—862/Cal/73.

Makushev, N. T.—969/Cal/73.

Maneely-Illinois, Inc.—843/Cal/73.

Maneksha, H. F.—154/Bom/73.

Mefina S. A.—756/Cal/73.

Mehra, A.—1000/Cal/73.

Mehra, K.—1000/Cal/73.

Mehra, P.—1000/Cal/73.

Melis, J. O. (Dr.)—131/Bom/73.

Menon, K. R. G.—771/Cal/73.

Metal Box Company Limited, The.—972/Cal/73.

Metton Company Ltd., The.—927/Cal/73.

Midland-Ross Corpn.—821/Cal/73.

Momsha Vijay Industries.—135/Bom/73.

Monsanto Co.—890/Cal/73.

Montecatini Edison S.P.A.—984/Cal/73.

Mulvancy, J.L.—153/Bom/73.

—N—

Nagevadia, A.J.—141/Bom/73.

Nauchno-Issledovatelsky Konstruktorsko-Tekhonologichesky Institut Shinnoi Promyshlennosti.—783/Cal/73, 831/Cal/73.

Name & Application No.

Nippon Kayaku Co., Ltd.—917/Cal/73.

Nissei Plastics Industrial Co. Ltd.—904/Cal/73, 905/Cal/73, 906/Cal/73, 907/Cal/73, 995/Cal/73, 996/Cal/73.

Niyogi, S.K.—833/Cal/73.

N. V. Philips Gloeilampenfabrieken.—802/Cal/73.

—O—

Owens-Corning Fiberglas Corporation.—1008/Cal/73.

—P—

Panchal, T. K.—130/Bom/73.

Patel, A. G.—129/Bom/73.

Pathak, V. B.—958/Cal/73.

Patni, J. C.—116/Bom/73.

Patronato De Investigacion Cientifica Y Tecnica "Juan De La Cierva" Del Consejo Superior De Investigaciones Cientificas.—869/Cal/73.

Pavena A. G.—942/Cal/73.

Pavlov, B. S.—969/Cal/73.

Permali-Wallace Limited—144/Bom/73, 145/Bom/73, 146/Bom/73.

Personal Products Co.—811/Cal/73.

Pfizer Inc.—829/Cal/73, 886/Cal/73, 887/Cal/73.

Pfizer Corporation—956/Cal/73.

Philipp Holzmann Aktiengesellschaft—817/Cal/73.

Piazza, P.—140/Bom/73.

Pilkington Brothers Ltd.—847/Cal/73.

Pinto, A. J.—51/Mas/73.

Politechnika Warszawska—919/Cal/73.

Pomukhin, N. P.—969/Cal/73.

Ponkshe, S. S.—127/Bom/73.

Powar, O. P.—134/Bom/73.

President, Forest Research Institute & Colleges, Dehradun—930/Cal/73.

Produits Chimiques Ugine Kuhlmann——840/Cal/73.

—R—

Rajamohan, A.—56/Mas/73.

Ramakrishna, A.—55/Mas/73.

Ramakrishna Mission Vidyapith, The Secretary, Purulia—830/Cal/73, 941/Cal/73.

Rao, E. G.—50/Mas/73.

Rawicki, J. B.—788/Cal/73.

Regents of the University of California—751/Cal/73.

Repco Research Proprietary Ltd.—837/Cal/73.

Research & Development, Ministry of Defence, Govt. of India, Chief Controller, The—856/Cal/73.

Research Institute for Medicine and Chemistry Inc.—758/Cal/73.

Rockwell International Corporation—960/Cal/73.

Roll Trim Co.—753/Cal/73.

Ruti Machinery Works Ltd.—924/Cal/73.

—S—

Saha, G.—977/Cal/73.

Sahu, R.—754/Cal/73.

Salvi, S. R.—133/Bom/73.

Sandoz Ltd.—819/Cal/73.

Sandvik Aktiebolag—888/Cal/73, 889/Cal/73.

Saria, M. L.—951/Cal/73.

Satyanarayana, V. S.—899/Cal/73, 900/Cal/73, 847/Cal/73.

Scientific Repairs & Trading Co. (Private) Ltd.—798/Cal/73.

Name & Application No.

Sharma, H. C.—814/Cal/73.

Shevinov, P. A.—898/Cal/73, 968/Cal/73, 969/Cal/73.

Shukla, R. (Dr.)—117/Bom/73.

Siemens Aktiengesellschaft—759/Cal/73, 915/Cal/73, 916/Cal/73.

Singh, H.—812/Cal/73.

Sirohi, K. (Mrs.)—988/Cal/73.

Skudarnov, M.E.—969/Cal/73.

Snam Pogetti S.p.A.—963/Cal/73.

Societe Fives Lille-Cail—943/Cal/73, 944/Cal/73.

Societe Nationale Des Poudres Et Explosifs—853/Cal/73, 854/Cal/73, 855/Cal/73.

Societe Sucriere De L'Atlantique (Engineering)—970/Cal/73.

Solbeck, E.—770/Cal/73.

Sonti, V. R.—990/Cal/73.

Span-Deck, Inc.—959/Cal/73.

Sperry Rand Corpn.—841/Cal/73, 842/Cal/73.

Stamicarbon, B. V.—998/Cal/73.

Standard Oil Co., The—920/Cal/73.

Stein Surface—866/Cal/73, 867/Cal/73, 868/Cal/73.

Stenner, E. J.—836/Cal/73.

Stepanenkov, N. L.—969/Cal/73.

Strachan & Henshaw Ltd.—921/Cal/73, 922/Cal/73.

Structural Materials—752/Cal/73.

Sukhatme, M. N.—142/Bom/73.

Sumitomo Chemical Co. Ltd.—762/Cal/73.

Sumitomo Metal Industies Ltd.—789/Cal/73.

Sunder Fabricators—967/Cal/73.

Sun Research and Development Co.—989/Cal/73.

Syntex Corpn.—877/Cal/73, 878/Cal/73.

—T—

Tantia, O. P.—765/Cal/73.

Tata Iron & Steel Co., Ltd., The.—764/Cal/73.

Tavkozlesi Kutato Intezet.—937/Cal/73, 938/Cal/73. 971/Cal/73.

Tea Research Association.—826/Cal/73.

Tecumseh Products Co.—908/Cal/73, 973/Cal/73.

Telerad (Private) Ltd.—128/Bom/73.

Texaco Development Corpn.—882/Cal/73, 929/Cal/73.

Toyama Chemical Co., Ltd.—918/Cal/73.

Toyo Jozo Kabushiki Kaisha.—876/Cal/73.

Trico Products Corpn.—820/Cal/73.

Tulsky Filial Tsentralnogo Nauchno-Issledovatelskogo Instituta Chernoi Metallurgii Imeni I.P. Bardina.—914/Cal/73.

—U—

Udylite Corpn., The.—883/Cal/73.

Ugine Aciers.—743/Cal/73, 911/Cal/73, 912/Cal/73.

Union Carbide Corpn.—871/Cal/73, 925/Cal/73.

Universal Oil Products Company.—975/Cal/73.

Uss Engineers and Consultants, Inc.—825/Cal/73, 827/Cal/73.

—V—

Velsicol Chemical Corpn.—797/Cal/73.

Venkatachalam, T.—57/Mas/73, 58/Mas/73, 59/Mas/73, 60/Mas/73, 61/Mas/73.

Vetrocoke Cokapuania S.p.A.—952/Cal/73.

Vikram Sarabhai Space Centre.—64/Mas/73.

Name & Application No.

Vsesojuzny Nauchno-Issledovatelsky Institute Zemleroinogo Mashinostroenia.—945/Cal/73.

Vyas, J. T.—870/Cal/73.

—W—

Waterbury, N. J.—755/Cal/73.

Wellcome Foundation Limited, The.—974/Cal/73.

Western States Machine Co., The.—800/Cal/73.

Westinghouse Brake aand Signal Company Ltd.—810/Cal/73.

Name and Application No.

Westinghouse Electric Corpn.—745/Cal/73, 780/Cal/73, 844/Cal/73.

Wiggins Teape Research & Development Ltd.—822/Cal/73, 823/Cal/73.

Wischin, J.—744/Cal/73.

W. S. Insulators of India Ltd.—52/Mas/73.

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PRINTED BY THE MANAGER, GOVERNMENT OF INDIA PRESS, FARIDABAD
AND PUBLISHED BY THE CONTROLLER OF PUBLICATIONS, DELHI, 1973